

DRILL HOLES

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PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of a battery backup system and meter pedestal for the existing Traffic Control signal at the intersection of Pindell School Road / Cedar Lane and MD 32 Ramp "B/D" Spur in Howard County. Additionally all traffic signal heads shall be upgraded to LED traffic signal heads. MD 32 is assumed to run in an east - west direction.

II. INTERSECTION OPERATION

- The existing full-traffic-actuated, eight-phase controller with all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall be utilized at this intersection.
- A new NEMA size "6" base-mounted cabinet with battery back-up shall be installed at this intersection.

III. SPECIAL NOTES

- All controller cabinet wiring will be performed by the S.H.A. Signal Shop. Contact Mr. Ed Rodenhizer at (410) 787-7650 seventy-two hours in advance of intended work.

The contact persons for District #7 are as follows:

Mr. John Concannon
Assistant District Engineer - Traffic
Phone: (310) 624-8141

Mr. Ray Johnson
Assistant District Engineer - Maintenance
Phone: (310) 624-8106

Ms Andrea Abend
District Engineer - Utility
Phone: (301) 624-8110

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

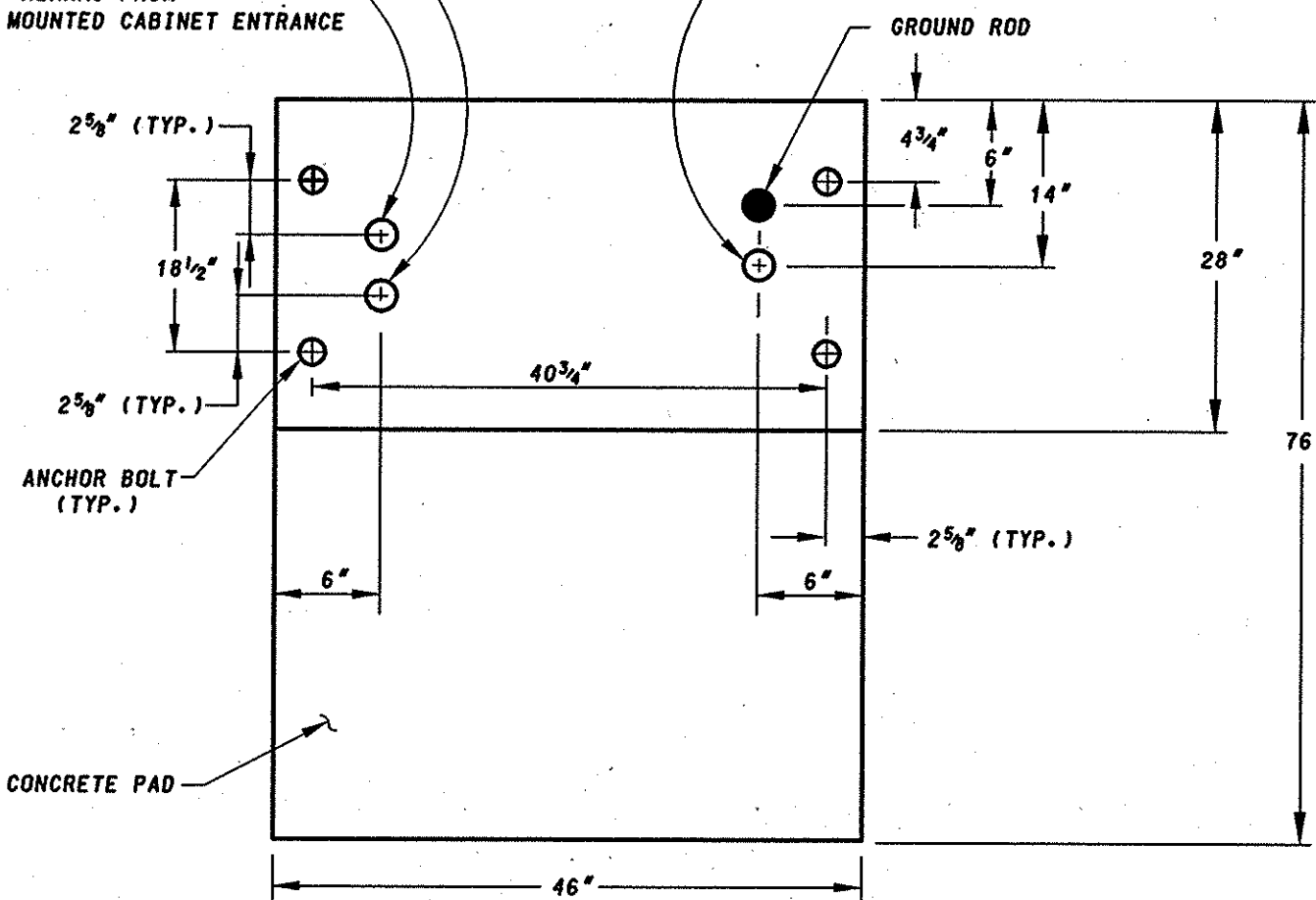
Mr. Ed Rodenhizer
Signal Shop
410-787-7652

The power company representative is:

Mr. Steve Schneider
Baltimore Gas and Electric
7317 Parkway Drive South
Hanover, MD 21076
410-859-9310

2" (SCHEDULE 80) PVC BEND
FOR POWER CABLE FROM EXISTING
BASE MOUNTED CABINET ENTRANCE

2" (SCHEDULE 80) PVC BEND FOR
1-(14 AWG) 7 CONDUCTOR CABLE FOR
BATTERY BACKUP ALARMS FROM
EXISTING BASE MOUNTED CABINET ENTRANCE



TYPICAL PLAN VIEW FOR
BATTERY BACKUP CABINET

NOTE:

- ALL CONDUIT BENDS ARE SUBJECT TO CHANGE AS PER CABINET LOCATION.
- REFER TO WIRING DIAGRAM ON THIS SHEET FOR SPECIFIC DETAILS.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY S.H.A.

ITEM NO.	DESCRIPTION	QUANTITY
	THERE IS NO EQUIPMENT TO BE SUPPLIED BY THE SHA.	

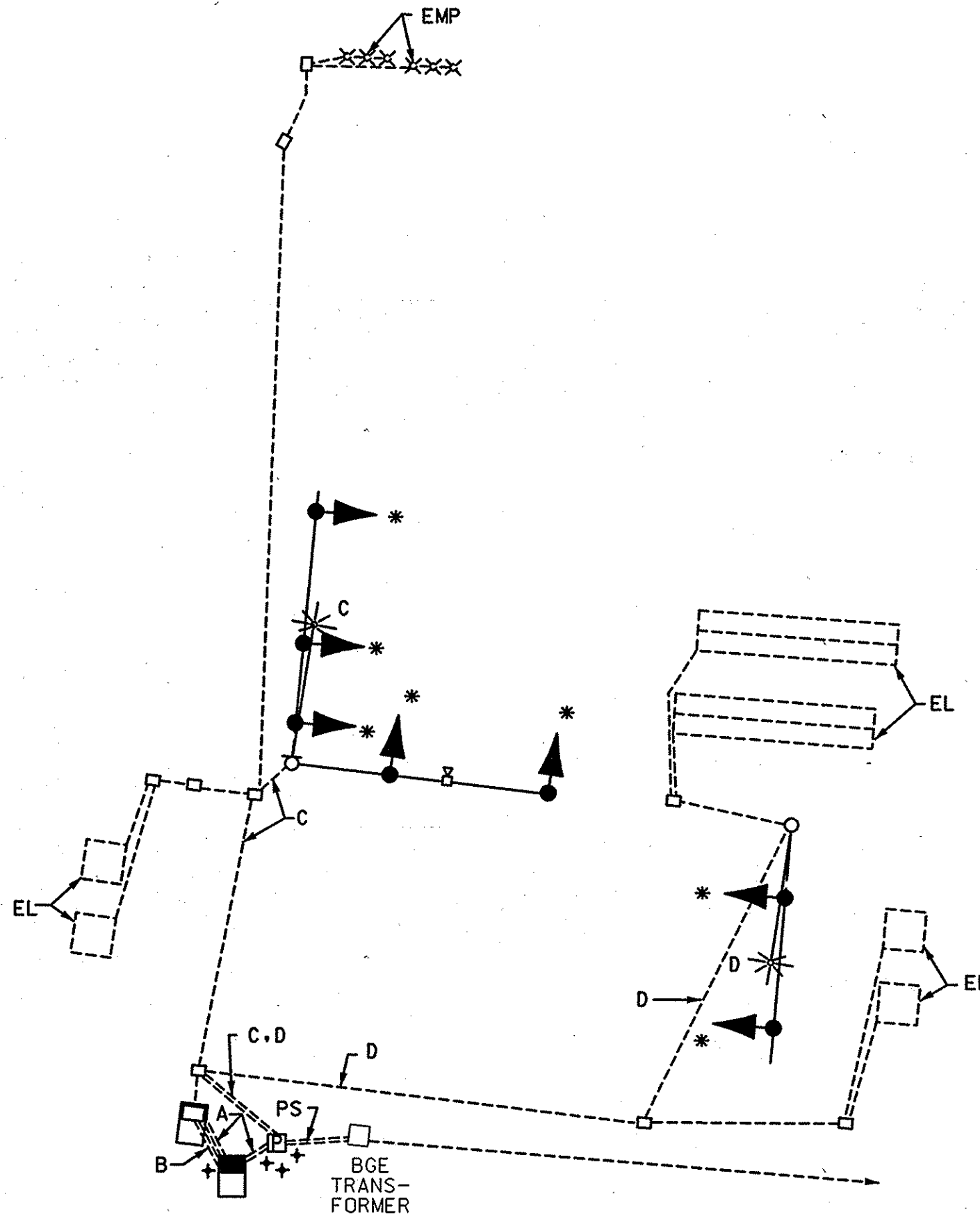
B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
1001	Maintenance of traffic per assignment. 5271ag1 sheet	
2002	Test Pit Excavation	2 C.Y.
8001	12" LED signal head section.	23 EA
8022	Remove and dispose of existing material and equipment per assignment. 5271ag1 sheet	1 EA
8036	Schedule 80 rigid PVC conduit up tp 4" - trenched.	50 L.F.
8044	Metered service pedestal embedded.	1 EA
8046	Electrical cable 1-conductor No. 4 AWG THHN/THWN.	60 L.F.
8058	Electrical cable - 7 conductor (No. 14 AWG).	30 L.F.
8059	Electrical cable - 2 conductor (No. 12 AWG) TC.	380 L.F.
Neg.	Cabinet size "6" and battery back-up system.	1 EA

PHASE CHART

THERE IS NO PHASE CHART FOR THIS PROJECT.

WIRING DIAGRAM



WIRING KEY

- A - 3-1 CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.)
- B - 7 CONDUCTOR ELECTRICAL CABLE (NO 14 A.W.G.) FOR ALARM
- C } 2 CONDUCTOR TRAY
- D } CABLE (NO 12 A.W.G.) EXISTING
- EL - LOOP WIRE (NO. 14 A.W.G.) EXISTING
- EMP - EXISTING MICROPROBE
- * - USE EXISTING CABLE
- PS - PROPOSED UNDERGROUND SERVICE TO BE INSTALLED BY BGE
- + - GROUND ROD

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
SANNER ROAD/
CEDAR LANE AT
MD 32 RAMP "D" SPUR
SIMPSONVILLE, MARYLAND

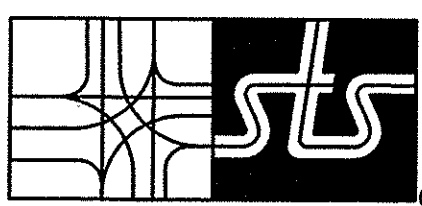
GENERAL INFORMATION SHEET

SCALE NONE DATE 4/18/07 CONTRACT NO. AX1425185

DESIGNED BY JWA COUNTY HOWARD
DRAWN BY RC LOGMILE 13CCED00.00
CHECKED BY TMS NO. 1288
F.A.P. NO. TOD NO.

TS NO. 3233A-61 DRAWING NO. 2 OF 2 SHEET NO. OF

SHA: No.: HO407A52/C52
BW425M84
TOD No.: AX142-05
US 29, US 40, MD 32 MD175



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PLOTTED: #DATE#
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